

Comparisons of Job Characteristics

Focus Occupation: [Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters \(47-3015\)](#)

Associated Occupation: [Construction Laborers \(47-2061\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: [Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters \(47-3015\)](#)

Associated Occupation: [Construction Laborers \(47-2061\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	16.8	14.3	< Expanded education and/or training may be required
Mechanical	6.8	11.2	12.8	> Current knowledge level is likely sufficient
Design	5.2	10.7	8.0	<< Extensive education and/or training may be required
Public Safety and Security	6.9	10.6	11.5	0 Current knowledge level may be sufficient
Transportation	4.6	8.0	6.6	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: [Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters \(47-3015\)](#)

Associated Occupation: [Construction Laborers \(47-2061\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	8.1	5.0	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	5.3	5.2	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)
Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Static Strength	5.0	11.6	8.6	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.2	9.6	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	10.6	7.5	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	10.3	9.0	<	Some improvement in abilities may be required
Stamina	4.0	8.6	4.8	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	7.0	5.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)
Associated Occupation: Construction Laborers (47-2061)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Apply adhesives, caulking, sealants, or coatings	45
Apply cleaning solvents	41
Assemble and install pipe sections, fittings, or plumbing fixtures	71
Assist mechanic, or extractive or construction trades craft worker	81
Build or repair structures in construction, repair, or manufacturing setting	54
Clean equipment or machinery	20
Clean rooms or work areas	30
Cut, shape, fit, or join wood or other construction materials	58
Fabricate, assemble, or disassemble manufactured products by hand	11
Move materials or goods between work areas	72
Move or fit heavy objects	8
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 85

Focus Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)
Associated Occupation: Construction Laborers (47-2061)

Tools and Technologies	Exclusivity
Acceleration and vibration measuring instruments	56
Aerial lifts	13
Bandsaws and accessories	26
Cameras	2
Cleaning equipment	11
Compressors	9
Cutting and crimping and punching tools	3
Dispensing tools	6
Drilling and operation machinery	29
Earth moving machinery	11
Face and head protection	7
Fall protection	16
Fastener setting tools	12
Forming tools	2
Garden tools	12
Holding and clamping tools	3
Indicating and recording instruments	2
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Non destructive examination equipment	13
Passenger motor vehicles	13
Personal communication devices	2
Pneumatic tools	8
Power generators	16
Power tools	2
Product and material transport vehicles	13
Prying and bending tools	10
Pumps	9
Rough and finishing tools	5
Sampling equipment	12
Soldering and brazing and welding machinery and supplies	6
Surveillance and detection equipment	11
Temperature and heat measuring instruments	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.